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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. 1.53(b))

Attorney Docket No. M7207US5D

First Inventor Richard K. Williams

Title Self-aligned Trench Transistor Using Etched Contact

Express Mail Label No. ER 527 535 515 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 47]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 58]
5. Oath or Declaration [Total Pages 3]
 - a. ☐ Newly executed (original or copy)
 - b. ☒ Copy from a prior application (37 CFR 1.63 (d))
(for a continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATIONS PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. §3.73(b) Statement ☐ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Copy of Revocation of Power of Attorney, Power of Attorney and Change of Correspondence Address By Assignee of Entire Interest (2 pages)

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☒ Divisional ☐ Continuation-in-part (CIP)

of prior application No: 10 / 146,668

Prior application information: Examiner L. Malsawma

Group / Art Unit: 2825

For **CONTINUATION** or **DIVISIONAL** APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

17. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

27906

or ☐ Correspondence address below

(Insert Customer No. or Attach bar code label here)

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

David T. Millers

Registration No. (Attorney/Agent)

37,396

Signature

David Millers

Date

January 28, 2004

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

PATENT LAW OFFICES OF DAVID MILLERS

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January 28, 2004

Mail Stop Patent Application
Commissioner For Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir,

For the filing of a U.S. utility patent application

Docket No.: M7207US5D

Inventors: Richard K. Williams and Wayne Grabowski

Title: Self-aligned Trench Transistor Using Etched Contact

Enclosed are:

<u>X</u>	Return Receipt Postcard
<u>X</u>	This Fee Transmittal Letter (1 page, in duplicate)
<u>X</u>	Utility Patent Application Transmittal (1 page, in duplicate)
<u>3</u>	Pages Data Sheet
<u>46</u>	Pages Specification (including claims)
<u>1</u>	Page Abstract
<u>58</u>	Sheets of Drawings
<u>3</u>	Pages Copy of Declaration For Patent Application and Power of Attorney for parent application, Serial No. 09/296,959
<u>2</u>	Pages Copy of Revocation and Power of Attorney, Power of Attorney and Change of Correspondence Address By Assignee of Entire Interest for parent application, Serial No. 09/296,959
<u>X</u>	Information Disclosure Statement (2 pgs., in duplicate) and PTO Form 1449 (1 pg.)

Fees

☒ Applicant(s) assert(s) entitlement to small entity status for the attached patent application.

The fee has been calculated as shown below:

Basic Filing Fee for Non-Provisional Utility Patent Application	\$385.00
0 Independent claims in excess of 3 x \$43	\$0
0 claims in excess of 20 x \$9	\$0
Total	\$385.00

☒ Please charge Deposit Account No. 50-1767 in the amount of \$ 385.00.

☒ Please charge any additional fees required and credit any overpayment to Deposit Account No. 50-1767.

EXPRESS MAIL LABEL NO:

ER 527 535 515 US

Respectfully submitted,



David Millers
Reg. No. 37,396